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MD-3000

BTL-S/14/13/12th Generation Intel Core Series Processors, High Performance and Scalable DIN-Rail Computer

PRODUCTS FEATURES

- Intel® BTL-S/14/13/12th Gen. Bartlett Lake-S / Raptor Lake-S Refresh / Raptor Lake-S / Alder Lake-S Platform (max 65 W TDP)
- Scalable Design with Optional Scalable Expansion Deck for I/O Modules Expansion
- Compact Size with DIN-Rail Mount Support
- Supports Dual PCIex4 NVMe SSD with RAID Function

CERTIFICATIONS

EN 61000-6-2 EN 61000-6-4 EN 62368-1

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OVERVIEW | SPECIFICATION

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OVERVIEW

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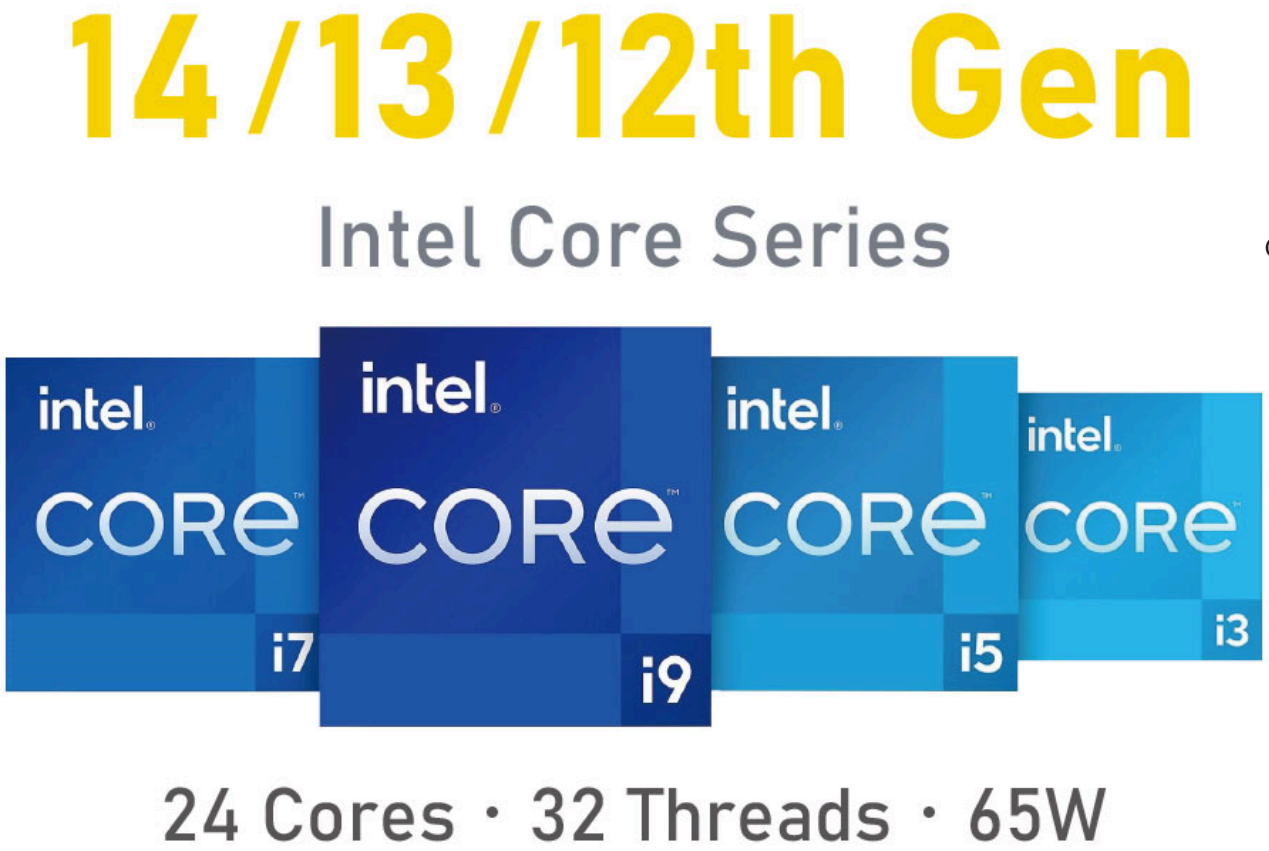
Designed for workstations and machinery in machine vision and smart manufacturing, the Cincoze MD-3000 series is a unique DIN-Rail embedded computer with compact size, excellent performance, broad expandability, and high reliability.

- Small and powerful: The body is only 150 mm high but supports a desktop-grade Intel® Core™ CPU. This easily copes with high-speed image processing and AI applications.
- Small and expandable: Includes multiple native high-speed and industrial I/O and M.2 expansion slots. Supports up to a six-slot Scalable Expansion Deck (SED), allowing flexible installation of Scalable Expansion Modules (SEMs) for additional I/O, storage, and wireless transmission functions.

- Small and reliable: Consistent rugged design that passes multiple industrial standards (vibration resistant, shock resistant, EMC, safety, etc.) to ensure long-term stable operation in harsh environments. This makes it the best computing platform for machine vision applications at smart manufacturing sites.

Excellent computing performance

Supports BTL-S/14th/13th/12th generation Intel® Core™ CPUs (35–65W), up to 96GB of 5600MHz DDR5 memory, and up to 2 NVMe SSDs. Delivers the performance required for machine vision tasks, such as vision-guided robotics, inspection, measurement, and visualization.



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Dynamic Thermal Mechanism & Smart OTP
cincoze
LAN1
LAN4
LAN5
LAN2
LAN3
DP
DP
MD 3000 SERIES
External FAN

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Key heat dissipation technology

Two thermal designs ensure sustained performance: the patented Dynamic Thermal Mechanism design, ensuring tight fit between the CPU heatsink and top cover, an external fan provides dust-free cooling, and the patented Smart OTP monitors fan status and system/CPU temperature.

[Patent No. I893729, I870277]

Comprehensive expansion options

2-, 4-, and 6-slot SEDs support various SEMs for I/O, PoE, M.2 expansion, 2.5” storage, and more. enabling wireless transmission and expanding storage capacity to meet diverse application needs.

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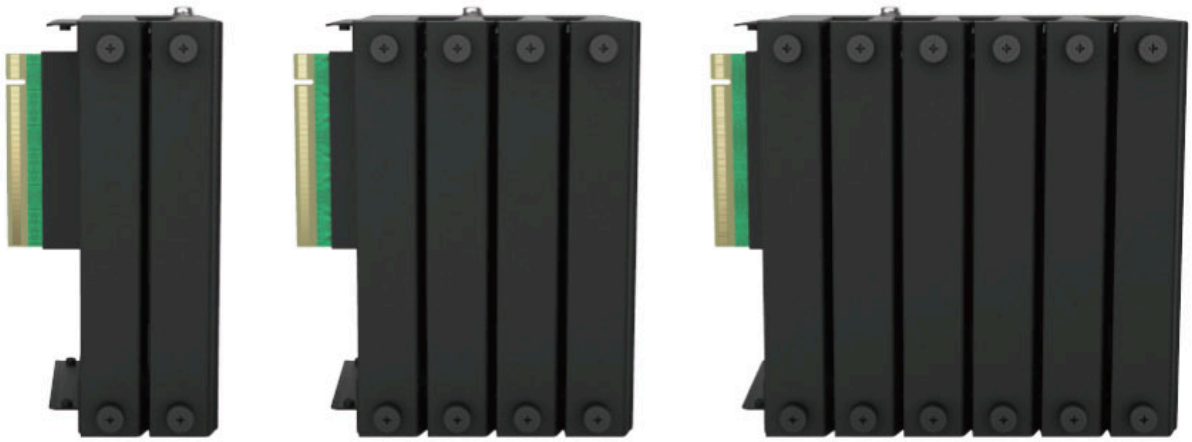
Scalable Expansion Module (SEMs)



Scalable Expansion Deck (SEDs)

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Easy to Configure & Plug and Play

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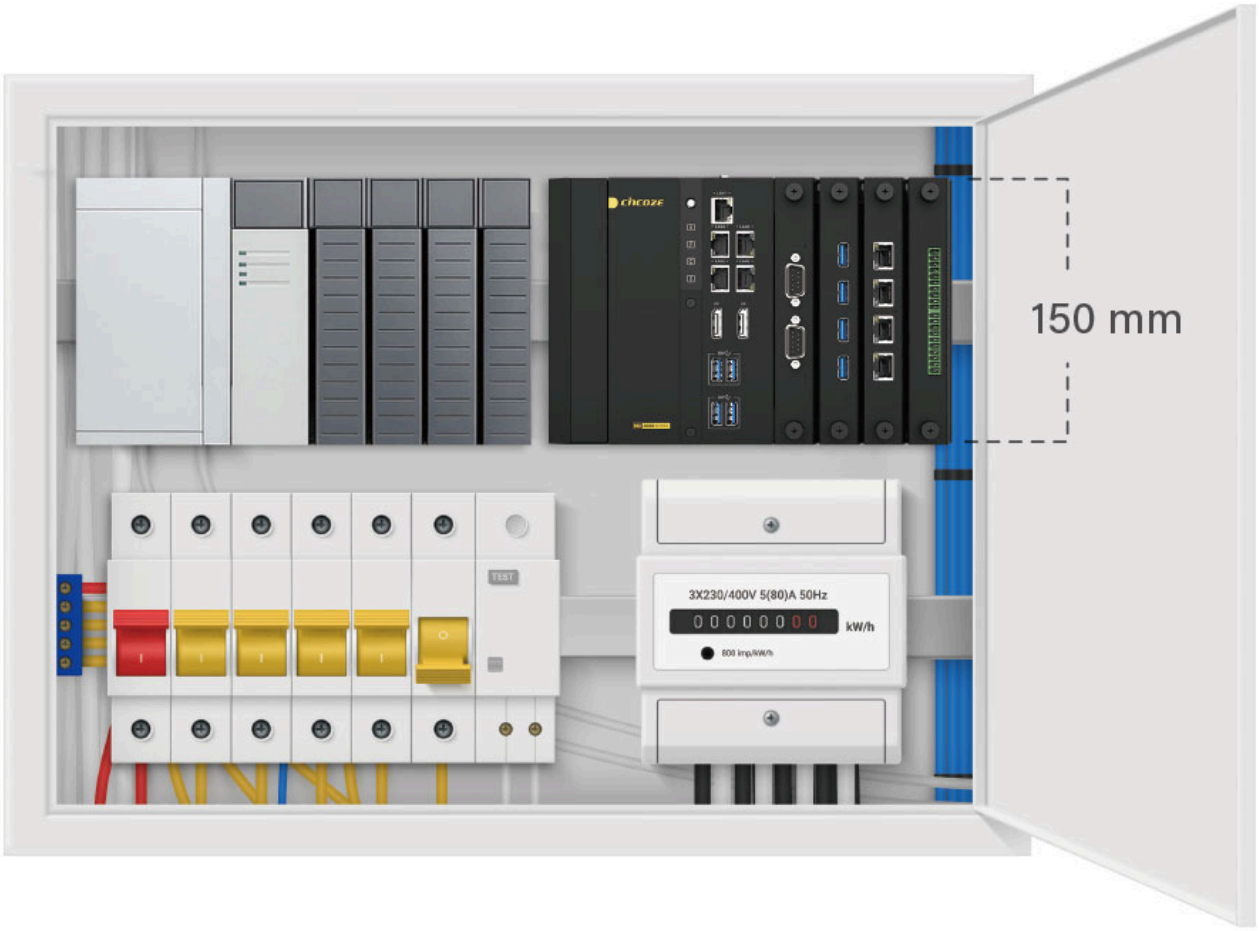
Cincoze's SEM modules are flexible and hot-swappable. They feature Guiding Rail Alignment design for easier and faster installation.

Thoughtful installation design

With a compact 150 mm high design, DIN-rail mounting, and all operation interfaces and maintenance areas accessible from the front, it is ideal for cabinet or enclosure installations.



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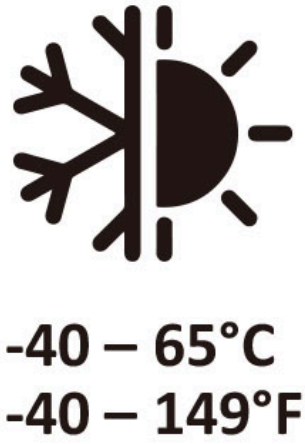

EN 61000-6-2

EN 61000-6-4

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Rugged and reliable

Supports wide temperature (-40°C to 65°C) and voltage (9 – 48 VDC) ranges, and complies with industrial EMC standards (EN 61000-6-2/4), ensuring reliable and stable operation in harsh environments.

Video

CINCOZE | MD-3000 | The Most Powerful & Scalable DIN-Rail Comp

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CINCOZE | MD-3000 | Expand Possibilities with the Most Flexible DI

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June 2- June 5 2026
Taipei Nangang Exhibition Center

2026-05-19

Cincoze to Showcase Comprehensive Edge AI Solutions at Computex 2026 (bulletin_info.php?id=246)

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